=> d l1

L1 HAS NO ANSWERS

L1

G1 H, Me, CH, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'REGISTRY' ENTERED AT 06:11:56 ON 31 MAR 2003)

DEL HIS

Ll STRUCTURE UPLOADED

0 S L1 L2

L3 42 S L1 FULL

L433 S L3 AND CAPLUS/LC

L5 9 S L3 NOT L4

0 S L5 AND CAOLD/LC L6

FILE 'CHEMCATS' ENTERED AT 06:23:23 ON 31 MAR 2003

L7 9 S L5

FILE 'CAPLUS' ENTERED AT 06:24:51 ON 31 MAR 2003

L8 24 S L3 3880087

L2 ANSWER 7 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): Chemical Name (CN):

Fragm. Molec. Formula (FMF):
Molecular Formula (MF):
Molecular Weight (MW):
Fragment BRN (FBRN):
Lawson Number (LN):
Compound Type (CTYPE):
Constitution ID (CONSID):
Tautomer ID (TAUTID):
Beilstein Citation (BSO):
Entry Date (DED):
Update Date (DUPD):

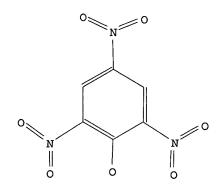
(5-ethyl-4-methyl-thiazol-2-yl)-<2>naphthyl-amine; picrate C16 H16 N2 S , C6 H3 N3 O7 C16 H16 N2 S . C6 H3 N3 O7 268.38. 229 11

268.38, 229.11 216578, 423400 31557, 14277, 5222 heterocyclic 3473507

3739071 4-27-00-04778 1991/02/26 1991/02/26

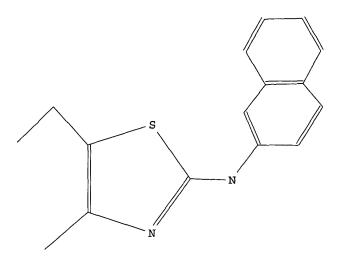
CM 1

FBRN 423400 FMF C6 H3 N3 O7



CM 2

FBRN 216578 FMF C16 H16 N2 S



Field Availability:

Code	Name	Occurrence
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BRN	Beilstein Records	1
CN	Chemical Name	1
FMF	Fragment Molecular Formula	2
MF	Molecular Formula	1
FW	Formular Weight	2
FBRN	Fragment BRN	2
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Melting Point: Value | Ref. | Note (MP) (Cel) =======+====+======= 251 | 1 | 1

Reference(s):

1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934

Notes(s): 1. Handbook

L2 ANSWER 8 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): Chemical Name (CN):

Fragm. Molec. Formula (FMF):
Molecular Formula (MF):
Molecular Weight (MW):
Fragment BRN (FBRN):
Lawson Number (LN):
Compound Type (CTYPE):
Constitution ID (CONSID):
Tautomer ID (TAUTID):
Beilstein Citation (BSO):
Entry Date (DED):
Update Date (DUPD):

(5-ethyl-4-methyl-thiazol-2-yl)-<1>naphthyl-amine; picrate C16 H16 N2 S , C6 H3 N3 O7 C16 H16 N2 S . C6 H3 N3 O7 268.38, 229.11

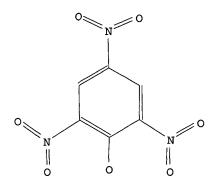
268.38, 229.11 216084, 423400 31557, 14277, 5222 heterocyclic 3468066

3737671 4-27-00-04778 1991/02/26 1991/02/26

3880085

CM 1

FBRN 423400 FMF C6 H3 N3 O7



CM 2

FBRN 216084 FMF C16 H16 N2 S 09/975,566

Page 2

Field Availability:

Code	Name	Occurrence
		========
BRN	Beilstein Records	1
CN	Chemical Name	1
FMF	Fragment Molecular Formula	2
MF	Molecular Formula	1
FW	Formular Weight	2
FBRN	Fragment BRN	2
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Melting Point:

Value	Ref.	Note
(MP) (Cel)		
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176	1 1	1

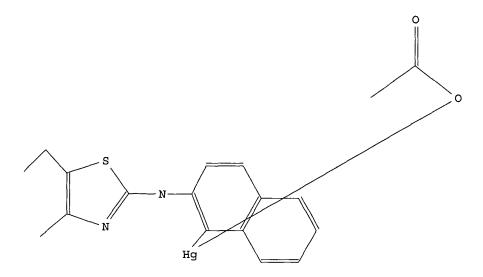
Reference(s):

1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934

Notes(s): 1. Handbook

L2 ANSWER 13 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

3847239 Beilstein Records (BRN): 2-(5-ethyl-4-methyl-thiazol-2-ylamino)-Chemical Name (CN): <1>naphthylmercury (1+); acetate C18 H18 Hg N2 O2 S Molec. Formula (MF): Molecular Weight (MW): 527.00 Lawson Number (LN): 31557, 16766, 1155 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 3408054 Tautomer ID (TAUTID): 3661545 Beilstein Citation (BSO): 4-27-00-04779 Entry Date (DED):
Update Date (DUPD): 1991/02/26 1991/02/26



Field Availability:

Code	Name	Occurrence		
======				
BRN	Beilstein Records	1		
CN	Chemical Name	1		
MF	Molecular Formula	1		
FW	Formular Weight	1		
LN	Lawson Number	3		
CTYPE	Compound Type	1		
CONSID	Constitution ID	1		
TAUTID	Tautomer ID	1		
BSO	Beilstein Citation	1		
ED	Entry Date	1		
UPD	Update Date	1		
MP	Melting Point	1		

```
Code Name
                             Occurrence
RX Reaction Documents
RXPRO Substance is Reaction Product
                                  1
                                   1
```

```
Melting Point:
 Value | Ref. | Note
 (MP)
 (Cel)
168 | 1 | 1
Reference(s):
 1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934
Notes(s):
1. Handbook
Reaction:
RX
    Reaction ID (.ID):
                                 8235284
    Product BRN (.PBRN):
                                  3847239
    Product (.PRO):
                                  2-(5-ethyl-4-methyl-thiazol-2-ylamino)-
                                  <1>naphthylmercury (1+); acetate
    No. of React. Details (.NVAR): 1
Reaction Details:
RX
    Reaction RID (.RID):
                                  8235284.1
    Reaction Classification (.CL): Preparation (half reaction)
```

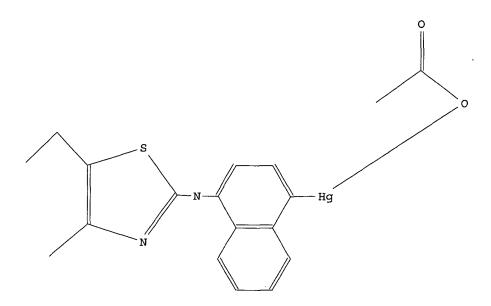
Other Conditions (.COND): s. 4270189500 Note(s) (.COM): Handbook

Reference(s):

1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933,

L2 ANSWER 14 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): 3846596 Chemical Name (CN): 4-(5-ethyl-4-methyl-thiazol-2-ylamino)-<1>naphthylmercury (1+); acetate Molec. Formula (MF): C18 H18 Hg N2 O2 S Molecular Weight (MW): 527.00 Lawson Number (LN): 31557, 16766, 1155 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 3408305 Tautomer ID (TAUTID): 3661551 Beilstein Citation (BSO): 4-27-00-04779 Entry Date (DED): 1991/02/26 Update Date (DUPD): 1991/02/26



Field Availability:

Code	Name	Occurrence
======		=======================================
BRN	Beilstein Records	1
CN	Chemical Name	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1

Page 1

MP Melting Point 1

This substance also occurs in Reaction Documents:

```
Code Name Occurrence
RX Reaction Documents 1
RXPRO Substance is Reaction Product 1
```

Reference(s):

1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934

Notes(s):

1. Handbook

Reaction:

RX

Reaction ID (.ID): 8235222
Product BRN (.PBRN): 3846596

Product (.PRO): 4-(5-ethyl-4-methyl-thiazol-2-ylamino)-

<1>naphthylmercury (1+); acetate

No. of React. Details (.NVAR): 1

Reaction Details:

RX

Reaction RID (.RID): 8235222.1

Reaction Classification (.CL): Preparation (half reaction)

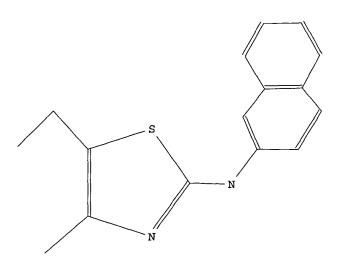
Other Conditions (.COND): s. 4270189500 Note(s) (.COM): Handbook

Reference(s):

 Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934

L2 ANSWER 29 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

216578 Beilstein Records (BRN): (5-ethyl-4-methyl-thiazol-2-yl)-Chemical Name (CN): <2>naphthyl-amine (5-ethyl-4-methyl-thiazol-2-yl)-naphthalen-Autonom Name (AUN): 2-yl-amine C16 H16 N2 S Molec. Formula (MF): Molecular Weight (MW): 268.38 Lawson Number (LN): 31557, 14277 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 226954 Tautomer ID (TAUTID): 249562 4-27-00-04778 1988/06/27 Beilstein Citation (BSO): Entry Date (DED): Update Date (DUPD): 1992/05/13



Field Availability:

Code	Name	Occurrence
========		========
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1

MP Melting Point 1 This substance also occurs in Reaction Documents: Occurrence Code Name RX Reaction Documents
RXPRO Substance is Reaction Product 1 1 Melting Point: Value | Solvent |Ref. | Note (MP) (.SOL) (Cel) 105 | aq. ethanol | 1 | 1 Reference(s): 1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933, 934 Notes(s): 1. Handbook Reaction: RX Reaction ID (.ID): 5494768 Product BRN (.PBRN): 216578 Product (.PRO): (5-ethyl-4-methyl-thiazol-2-yl)-<2>naphthyl-amine No. of React. Details (.NVAR): 1 Reaction Details: RXReaction RID (.RID): 5494768.1

Reaction Classification (.CL): Preparation (half reaction)

Handbook

1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933,

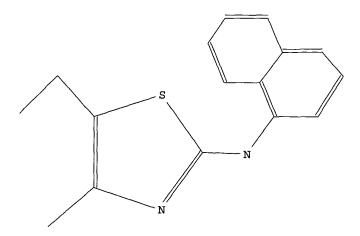
Other Conditions (.COND): 162305

Note(s) (.COM):

Reference(s):

L2 ANSWER 30 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

216084 Beilstein Records (BRN): Chemical Name (CN): (5-ethyl-4-methyl-thiazol-2-yl)-<1>naphthyl-amine Autonom Name (AUN): (5-ethyl-4-methyl-thiazol-2-yl)-naphthalen-1-yl-amine Molec. Formula (MF): C16 H16 N2 S Molecular Weight (MW): 268.38 Lawson Number (LN): 31557, 14277 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 213267 Tautomer ID (TAUTID): 245512 Beilstein Citation (BSO): 4-27-00-04778 1988/06/27 Entry Date (DED): Update Date (DUPD): 1992/05/13



Field Availability:

Code	Name	Occurrence
========		=======
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

```
Code Name Occurrence

RX Reaction Documents 1

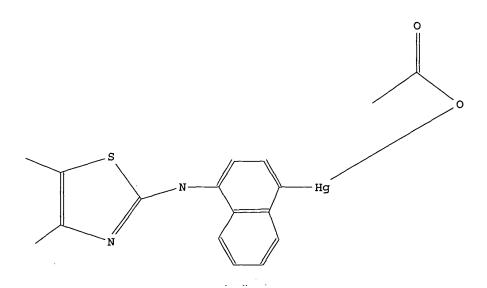
RXPRO Substance is Reaction Product 1
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Melting Point:
Value | Solvent | Ref. | Note
        (.sol)
 (MP)
 (Cel)
107 | aq. ethanol | 1 | 1
Reference(s):
1. Mahapatra; Rout, J.Indian Chem. Soc., CODEN: JICSAH, 31, <1954>, 933, 934
Notes(s):
1. Handbook
Reaction:
RX
    Reaction ID (.ID):
                                 5494533
    Product BRN (.PBRN):
                                 216084
    Product (.PRO):
                                 (5-ethyl-4-methyl-thiazol-2-yl)-
                                 <1>naphthyl-amine
    No. of React. Details (.NVAR): 1
Reaction Details:
    Reaction RID (.RID):
                                 5494533.1
    Reaction Classification (.CL): Preparation (half reaction)
    Other Conditions (.COND): 162305
    Note(s) (.COM):
                                 Handbook
    Reference(s):
    1. Mahapatra; Rout, J.Indian Chem.Soc., CODEN: JICSAH, 31, <1954>, 933,
```

09/975,566

L2 ANSWER 6 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): 4929712 Chemical Name (CN): 4-(4,5-dimethyl-thiazol-2-ylamino)-<1>naphthylmercury (1+); acetate Molec. Formula (MF): C17 H16 Hg N2 O2 S Molecular Weight (MW): 512.98 31556, 16766, 1155 Lawson Number (LN): Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 4413723 Tautomer ID (TAUTID): 4758462 Beilstein Citation (BSO): 4-27-00-04768 Entry Date (DED): 1992/07/30 Update Date (DUPD): 1992/07/31



Field Availability:

Code	Name	Occurrence
======	=======================================	=======================================
BRN	Beilstein Records	1
CN	Chemical Name	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1
	3	_

Page 1

```
Code Name Occurrence
RX Reaction Documents 1
RXPRO Substance is Reaction Product 1
```

```
Melting Point:
Value | Ref. | Note
 (MP)
 (Cel)
260 | 1 | 1
Reference(s):
 1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57
Notes(s):
1. Handbook
Reaction:
                                   8423658
     Reaction ID (.ID):
     Product BRN (.PBRN):
                                   4929712
    Product (.PRO):
                                   4-(4,5-dimethyl-thiazol-2-ylamino)-
                                   <1>naphthylmercury (1+); acetate
    No. of React. Details (.NVAR): 1
Reaction Details:
    Reaction RID (.RID):
                                   8423658.1
     Reaction Classification (.CL): Preparation (half reaction)
     Other Conditions (.COND):
                                   3832213
    Note(s) (.COM):
                                   Handbook
    Reference(s):
     1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57
```

ANSWER 9 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL L2

Beilstein Records (BRN):

Chemical Name (CN):

Fragm. Molec. Formula (FMF): Molecular Formula (MF):

Molecular Weight (MW): Fragment BRN (FBRN): Lawson Number (LN): Compound Type (CTYPE): Constitution ID (CONSID):

Tautomer ID (TAUTID): Beilstein Citation (BSO):

Entry Date (DED): Update Date (DUPD): 3875047

(4,5-dimethyl-thiazol-2-yl)-<1>naphthyl-

amine; picrate

C15 H14 N2 S , C6 H3 N3 O7 C15 H14 N2 S . C6 H3 N3 O7

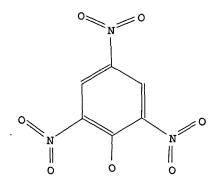
254.35, 229.11 199382, 423400 31556, 14277, 5222

heterocyclic 3480926 3741296

4-27-00-04763 1991/02/26 1991/02/26

CM 1

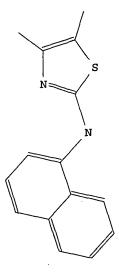
FBRN 423400 FMF C6 H3 N3 O7



CM 2

FBRN 199382 FMF C15 H14 N2 S

man a distance and many light



Field Availability:

Code	Name	Occurrence
======	f=====================================	
BRN	Beilstein Records	1
CN	Chemical Name	1
FMF	Fragment Molecular Formula	2
MF	Molecular Formula	1
FW	Formular Weight	2
FBRN	Fragment BRN	2
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	. 1

Reference(s):

1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57

Notes(s):

1. Handbook

L2 ANSWER 10 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): Chemical Name (CN):

3873932

(4,5-dimethyl-thiazol-2-yl)-<2>naphthyl-

Fragm. Molec. Formula (FMF):

Molecular Formula (MF): Molecular Weight (MW): Fragment BRN (FBRN): Lawson Number (LN):

Compound Type (CTYPE): Constitution ID (CONSID): Tautomer ID (TAUTID):

Beilstein Citation (BSO):

Entry Date (DED): Update Date (DUPD): amine; picrate

C15 H14 N2 S , C6 H3 N3 O7 C15 H14 N2 S . C6 H3 N3 O7

254.35, 229.11 17017, 423400 31556, 14277, 5222

heterocyclic 3480908 3741302

4-27-00-04764 1991/02/26 1991/02/26

CM 1

FBRN 423400 FMF C6 H3 N3 O7

CM 2

FBRN 17017 FMF C15 H14 N2 S

Field Availability:

Code	Name	Occurrence
e======	=======================================	
BRN	Beilstein Records	1
CN	Chemical Name	1
FMF	Fragment Molecular Form	ıla 2
MF	Molecular Formula	1
FW	Formular Weight	2
FBRN	Fragment BRN	2
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Melting Point:

Value	Ref.	Note
(MP)]	
(Cel)	j j	
=======	+====+	+======
264	1 1	1

Reference(s):

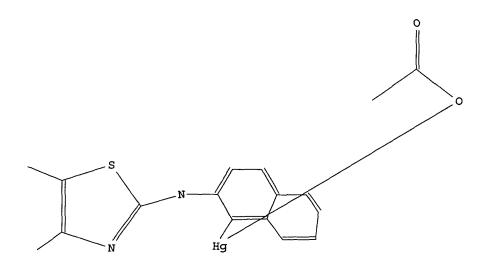
1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57

Notes(s):

1. Handbook

L2 ANSWER 15 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): 3845864 Chemical Name (CN): 2-(4,5-dimethyl-thiazol-2-ylamino)-<1>naphthylmercury (1+); acetate Molec. Formula (MF): C17 H16 Hg N2 O2 S Molecular Weight (MW): 512.98 Lawson Number (LN): 31556, 16766, 1155 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 3407829 Tautomer ID (TAUTID): 3660095 Beilstein Citation (BSO): 4-27-00-04768 Entry Date (DED): 1991/02/26 Update Date (DUPD): 1991/02/26



Field Availability:

Code	Name	Occurrence
ES=====		=======================================
BRN	Beilstein Records	1
CN	Chemical Name	1
MF	Molecular Formula	1
FW	Formular Weight	. 1
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Page 1

Occurrence

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Reaction Documents
     RXPRO
               Substance is Reaction Product
Melting Point:
Value | Ref. | Note
 (MP)
 (Cel)
========+===========
257
       | 1 | 1
Reference(s):
1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57
Notes(s):
1. Handbook
Reaction:
RX
     Reaction ID (.ID):
                                     8235147
     Product BRN (.PBRN):
                                     3845864
     Product (.PRO):
                                     2-(4,5-dimethyl-thiazol-2-ylamino)-
                                     <1>naphthylmercury (1+); acetate
    No. of React. Details (.NVAR): 1
Reaction Details:
RX
     Reaction RID (.RID):
                                     8235147.1
     Reaction Classification (.CL): Preparation (half reaction)
     Other Conditions (.COND):
                                     3832213
     Note(s) (.COM):
                                     Handbook
    Reference(s):
     1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57
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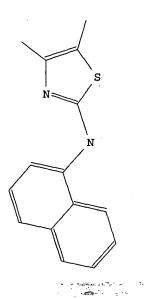
Code

Name

a se qualificação de la compansa de

L2 ANSWER 32 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

199382 Beilstein Records (BRN): (4,5-dimethyl-thiazol-2-yl)-<1>naphthyl-Chemical Name (CN): amine (4,5-dimethyl-thiazol-2-yl)-naphthalen-1-Autonom Name (AUN): yl-amine C15 H14 N2 S Molec. Formula (MF): Molecular Weight (MW): 254.35 Lawson Number (LN): 31556, 14277 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 172513 174797 Tautomer ID (TAUTID): 4-27-00-04763 Beilstein Citation (BSO): Entry Date (DED): 1988/06/27 Update Date (DUPD): 1992/05/13



Field Availability:

	•	
Code	Name	Occurrence
======		
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	. 1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Page 1

A Same

This substance also occurs in Reaction Documents:

Note(s) (.COM):

- Reference(s): -----

Code	Name	Occurrence	
RX	Reaction Documents	1	
RXPRO	Substance is Reaction Product	1	

```
Melting Point:
Value
         |Ref. | Note
 (MP)
 (Cel)
=======+
85
         | 1 | 1
1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 57
Notes(s):
1. Handbook
Reaction:
RX
    Reaction ID (.ID):
                                     774772
    Reactant BRN (.RBRN):
                                     778118, 741880
    Reactant (.RCT):
                                     naphthalen-1-yl-thiourea, butan-2-one
    Product BRN (.PBRN):
                                     199382
    Product (.PRO):
                                     (4,5-dimethyl-thiazol-2-yl)-<1>naphthyl-
                                     amine
    No. of React. Details (.NVAR):
Reaction Details:
    Reaction RID (.RID):
                                     774772.1
    Reaction Classification (.CL): Preparation
```

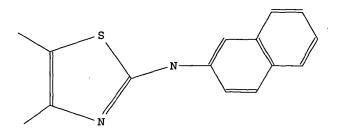
Handbook

1. Das et al., J. Indian Chem. Soc., CODEN: JICSAH, 32, <1955>, 55, 57

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L2 ANSWER 36 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): 17017 Beilstein Pref. RN (BPR): 101092-35-7 101092-35-7 CAS Reg. No. (RN): Chemical Name (CN): (4,5-dimethyl-thiazol-2-yl)-<2>naphthylamine (4,5-dimethyl-thiazol-2-yl)-naphthalen-2-Autonom Name (AUN): yl-amine C15 H14 N2 S Molec. Formula (MF): Molecular Weight (MW): 254.35 Lawson Number (LN): 31556, 14277 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 22772 Tautomer ID (TAUTID): 36406 Beilstein Citation (BSO): 4-27-00-04764 Entry Date (DED): 1988/06/27 Update Date (DUPD): 1992/05/13



Field Availability:

Code	Name	Occurrence
		=======================================
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
. LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	2
UVS	UV and Visible Spectrum	1

```
Code Name Occurrence

RX Reaction Documents 2

RXPRO Substance is Reaction Product 2
```

```
Melting Point:
```

(Cel)	(.SOL)		Note
150	 benzene, ethanol	1	1 1

Reference(s):

- 1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57
- 2. Mathes; Gregory, J.Amer.Chem.Soc., CODEN: JACSAT, 74, <1952>, 3867

Notes(s):

1. Handbook

UV and Visible Spectrum:

Description	Solvent	Ref.	Note
	(.SOL)		İ
==========	+=======	+====	+======
Spectrum	methanol	1	1, 2

Reference(s):

1. Mathes; Gregory, J.Amer.Chem.Soc., CODEN: JACSAT, 74, <1952>, 3867

Notes(s):

- 1. 230 360 nm
- 2. Handbook

Reaction:

Reaction ID (.ID): 774773

Reactant BRN (.RBRN): 778343, 741880

Reactant (.RCT): naphthalen-2-yl-thiourea, butan-2-one

Product BRN (.PBRN): 17017

Product (.PRO): (4,5-dimethyl-thiazol-2-yl)-<2>naphthyl-

No. of React. Details (.NVAR): 1

Reaction Details:

RX

Reaction RID (.RID): 774773.1
Reaction Classification (.CL): Preparation
Note(s) (.COM): Handbook

Reference(s):

1. Das et al., J.Indian Chem.Soc., CODEN: JICSAH, 32, <1955>, 55, 57

L2 ANSWER 28 OF 36 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL

Beilstein Records (BRN): 226385 Chemical Name (CN): (4-chloro-<1>naphthyl) - (4-methyl-thiazol-2yl)-amine Autonom Name (AUN): (4-chloro-naphthalen-1-yl)-(4-methylthiazol-2-yl)-amine Molec. Formula (MF): C14 H11 Cl N2 S Molecular Weight (MW): 274.77 31554, 14278 Lawson Number (LN): Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 214014 Tautomer ID (TAUTID): 245891 Beilstein Citation (BSO): 4-27-00-04693 Entry Date (DED): 1988/06/27 Update Date (DUPD): 1992/05/13

Field Availability:

Code	Name	Occurrence
=======		========
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Occurrence

```
RXPRO Substance is Reaction Product
Melting Point:
 Value
           Solvent
                       |Ref. | Note
 (MP)
            (.SOL)
 (Cel)
158 - 160 | aq. ethanol | 1 | 1
Reference(s):
 1. Fernandes; Ganapathi, Proc.-Indian Acad.Sci.Sect.A, CODEN: PISAA7(33),
    <1951>, 364, 367
Notes(s):
1. Handbook
Reaction:
RX
     Reaction ID (.ID):
                                    699102
    Reactant BRN (.RBRN):
                                   3286216, 605369
    Reactant (.RCT):
                                    (4-chloro-<1>naphthyl)-thiourea,
                                    1-chloro-propan-2-one
    Product BRN (.PBRN):
                                    226385
    Product (.PRO):
                                    (4-chloro-<1>naphthyl)-(4-methyl-thiazol-2-
                                    yl)-amine
    No. of React. Details (.NVAR): 1
Reaction Details:
```

699102.1

ethanol

Handbook

1. Fernandes; Ganapathi, Proc.-Indian Acad.Sci.Sect.A, CODEN: PISAA7(33),

Code

Name

Reaction RID (.RID):

<1951>, 364, 367

Reagent (.RGT):

Note(s) (.COM):

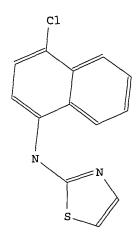
Reference(s):

Reaction Classification (.CL): Preparation

Reaction Documents

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Beilstein Records (BRN): 214151 (4-chloro-<1>naphthyl) -thiazol-2-yl-amine Chemical Name (CN): Autonom Name (AUN): (4-chloro-naphthalen-1-yl)-thiazol-2-yl-C13 H9 Cl N2 S Molec. Formula (MF): Molecular Weight (MW): 260.74 Lawson Number (LN): 31552, 14278 Compound Type (CTYPE): heterocyclic Constitution ID (CONSID): 192261 Tautomer ID (TAUTID): 233399 Beilstein Citation (BSO): 4-27-00-04581 Entry Date (DED): 1988/06/27 Update Date (DUPD): 1992/05/13



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Field Availability:

Code	Name	Occurrence
======	F=====================================	=======================================
BRN	Beilstein Records	. 1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
MP	Melting Point	1

Occurrence

```
РX
          Reaction Documents
     RXPRO
             Substance is Reaction Product
                                                        1
Melting Point:
 Value
           Solvent
                       |Ref.| Note
 (MP)
           (.SOL)
 (Cel)
182 - 184 | aq. ethanol | 1 | 1
Reference(s):
1. Fernandes; Ganapathi, Proc.-Indian Acad.Sci.Sect.A, CODEN: PISAA7(33),
    <1951>, 364, 367
Notes(s):
1. Handbook
Reaction:
RX
                                   849447
3286216, 969254
     Reaction ID (.ID):
    Reactant BRN (.RBRN):
    Reactant (.RCT):
                                    (4-chloro-<1>naphthyl)-thiourea,
                                   2-chloro-1,1-diethoxy-ethane
    Product BRN (.PBRN):
                                   214151
    Product (.PRO):
                                   (4-chloro-<1>naphthyl)-thiazol-2-yl-amine
    No. of React. Details (.NVAR): 1
Reaction Details:
ВX
    Reaction RID (.RID):
                                    849447.1
    Reaction Classification (.CL): Preparation
    Reagent (.RGT):
                                   ethanol
    Note(s) (.COM):
                                    Handbook
    Reference(s):
    1. Fernandes; Ganapathi, Proc.-Indian Acad.Sci.Sect.A, CODEN: PISAA7(33),
       <1951>, 364, 367
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Name